

Appendix B

Summary of Industrial Truck Use in Various Locations

Table B-1 Hazard Classifications.

Classes	Unclassified	Class I Locations	Class II Locations	Class III Locations
Description of classes.	Locations not possessing environment described in other columns.	Locations in which flammable gases or vapors are (or may be) present in the air in quantities sufficient to produce explosive or ignitable mixtures.	Locations that are hazardous because of the presence of combustible dust.	Locations in which easily ignitable fibers are present, but are not likely to be in suspension in quantities sufficient to produce ignitable mixtures.

Table B-2 Hazardous atmospheres.

Group within classes	None	A	B	C	D	E	F	G	None
Examples of locations or environment in classes and groups	Piers and wharves inside and outside, general storage, general industrial or commercial properties	Acetylene	Hydrogen	Ethyl Ether	Gasoline, Naphtha, Alcohol, Acetone, Lacquer, Solvent, and Benzene	Metal Dust	Carbon, black; coal and coal dust	Grain dust, flour dust, starch dust, and organic dust	Baled waste, cocoa fiber, cotton, excelsior, hemp, istle, jute, kapok, oakum, sisal, Spanish moss, and synthetic fibers

Table B-3 Authorized uses of trucks by type in group of classes and divisions.

Locations	Diesel-Powered			Electric-Powered				Gasoline-Powered		LP-Gas-Powered		Dual Fuel	
	D	DS	DY	E	ES	EE	EX	G	GS	LP	LPS	G/LP	G/LP S
Class I, Division 1 Group A Group B Group C Group D							A						
Class I, Division 2 Group A Group B Group C Group D		X X X *	X X X A		X X X *	X X X A	X X X A	X	X X X *	X	X X X *	X	X X X *
Class II, Division 1 Group E Group F Group G							* A** A						
Class II, Division 2 Group F [#] Group G		* *	A A		* *	A A	A A		* *		* *		* *
Class III, Division 1		*	A		*	A	A		*		*		*
Class III, Division 2		A	A	*	A	A	A		A		A		A

A = Type of truck authorized in location described.

* = Type of truck authorized in location described with approval of the authority having jurisdiction.

** = If resistivity of dust is $10^5 \Omega/\text{cm}$, see the previous explanation (*).

= If the dust has a resistivity of $10^5 \Omega/\text{cm}$ or greater.

X = Type of truck authorized to be determined by the authority having jurisdiction.

Blank = Type of truck not authorized in location described.

